Project Summary
Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Dynamics of Riparian Systems
Type of Project: Research
Funding Agency: USGS
Other Partners/Cooperators:
Effective Dates: 1/5/2004 to 12/31/2006
Funding Amount: $10,827 (FY04) and $12,385 (FY05)
Investigators and Agency Representative:
Agency: Gregor Auble, Riparian Project Chief, USGS Biological Resources Division, Fort Collins Science Center, 2150 Centre Ave, Bldg C, Fort Collins, CO 80526; 970-226-9448

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Project Abstract:
This work consists of collaborative studies with the Stream and Riparian Ecology Section of the Midcontinent Ecological Science Center (MESC), USGS-Biological Resources Division.

1. **Demography of riparian woody plants.** The University will conduct sampling, by one riparian ecologist in coordination with the MESC scientist and the BLM, on multiple pre-established sites along the Missouri River in mid August 2004, 2005, 2006, &2007.
2. **Cumulative effects of channel stabilization along the upper Yellowstone River**. The University will work with other scientist to integrate results form recently completed studies of geomorphology, hydraulics, riparian vegetation, fish habitat and population, and avian habitat and use along the upper Yellowstone River to address the US Army Corps of Engineers' Special Area Management Plan needs. Casual diagrams amendable to GIS modeling are to be developed.
3. **Coordination on ongoing and potential projects.** This is an open-ended item to allow flexibility for future projects.

Outcomes with Completion Dates:
Casual diagrams for the Upper Yellowstone River cumulative effect study due: December 2004.
Final report due December 31, 2007

Keywords: riparian systems, woody plants, Missouri River, channel stabilization, upper Yellowstone River

For Administrative Use Only:
Date Annual Report Received:
Date Final Report Received:
Publications, etc. on file: